

CLAIMS

1. An intake apparatus for supplying air to an engine comprising:
a first member which is disposed above the engine having a first room connecting to the atmospheric air;
a second member having a throttle body and a second room which is connected to the engine; and
a third member for covering said first room of said first member and said second room of said second member having a third room to connect said first room and said second room;
wherein at least one of said second room and said third room is disposed adjacent to said first room.
2. The intake apparatus according to claim 1, wherein said throttle body is disposed in said second room.
3. The intake apparatus according to claim 1, wherein said second room of said second member is connected to the engine through said throttle body and an intake manifold.
4. The intake apparatus according to claim 1, wherein said first member comprises a resonator which connects to said first room.
5. The intake apparatus according to claim 1, wherein said first member serves also as a cylinder head cover of the engine and is attached to the engine.
6. The intake apparatus according to claim 1, wherein said first room is formed as a concave of said first member.
7. The intake apparatus according to claim 1, wherein said second room is formed as a concave of said second member.
8. The intake apparatus according to claim 1, wherein said third member comprises a first region space which connects to said first room, a second region

space which connects to said second room, and a connecting passage which connects said first region space and said second region space.

9. The intake apparatus according to claim 8, wherein said first region space and said second region space are formed as a concave at said third member.

10. The intake apparatus according to claim 1, wherein a filter is disposed in said first room of said first member.

11. The intake apparatus according to claim 1, wherein a filter is attached to said third member at a position facing said first room.

12. The intake apparatus according to claim 1, wherein a control means is attached to said third member.

13. The intake apparatus according to claim 1, wherein said first member has a first fit means and said second member has a second fit means for fitting with said first fit member.

14. The intake apparatus according to claim 1:

wherein a recess portion is formed at one of said second member and said third member, and a convex-shaped seal member is attached to the other of said second member and said third member, at the connecting portion of said second member and said third member, and said seal member is fitted to said recess portion while the depth of fitting is adjustable;

wherein the connecting portion between said first member and said third member is on a plane which is parallel to the perpendicular direction to the fitting direction of said recess portion and said convex-shaped seal member; and

wherein a seal member is sandwiched at the connecting portion of said first member and said third member which are free to relatively be adjusted in the parallel direction of each member at the sandwiching position.

15. The intake apparatus according to claim 1:

wherein a recess portion is formed at one of said first member and said third member, and a convex-shaped seal member is attached to the other of said first member and said third member, at the connecting portion of said first member and said third member, and said seal member is fitted to said recess portion while the depth of fitting is adjustable;

wherein the connecting portion between said second member and said third member is on a plane which is parallel to the perpendicular direction to the fitting direction of said recess portion and said convex-shaped seal member; and

wherein a seal member is sandwiched at the connecting portion of said second member and said third member which are free to relatively be adjusted in the parallel direction of each member at the sandwiching position.